

CLAIMS

1. Method of current management in a battery powered amplifier in a hearing aid
5 device, the method comprising the following steps:
- a- comparing the actual supply voltage from the battery with a fixed
reference voltage,
 - b- generating a control signal whenever the supply voltage is below the
reference voltage,
 - 10 c- use the control signal to reduce the load current in the battery powered
device, whereby the supply voltage from the battery will increase,
repeat steps a,b and c as long as the supply voltage is below the reference
voltage whereby the repetition frequency of steps a,b and c is higher than the
highest audio frequency of the hearing aid.
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2. Method as claimed in claim 1 where the reference voltage is above a critical
supply voltage of the hearing aid.
3. Method of current management as claimed in claim 1, wherein the battery is a
20 zinc-air battery.
4. Method of current management as claimed in claim 1, wherein the battery is a
rechargeable battery.
- 25 5. Battery powered amplifier in a hearing aid device with a battery giving a
supply voltage to the device, whereby means are provided for generating a
fixed reference voltage and means for comparing the supply voltage with the
reference voltage, and where the comparing means are arranged to deliver a
control signal to the device whenever the supply voltage is below the reference
30 voltage, and where the device has means for reducing its current load at the
receipt of the control signal and whereby the comparing means are arranged to

conduct the comparing at a repetition frequency, which is above the highest audio frequency of the hearing aid.

5 6. A battery powered device as claimed in claim 5, where the battery is a zinc-air battery.

7. A battery powered device as claimed in claim 5, where the battery is a rechargeable battery.

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